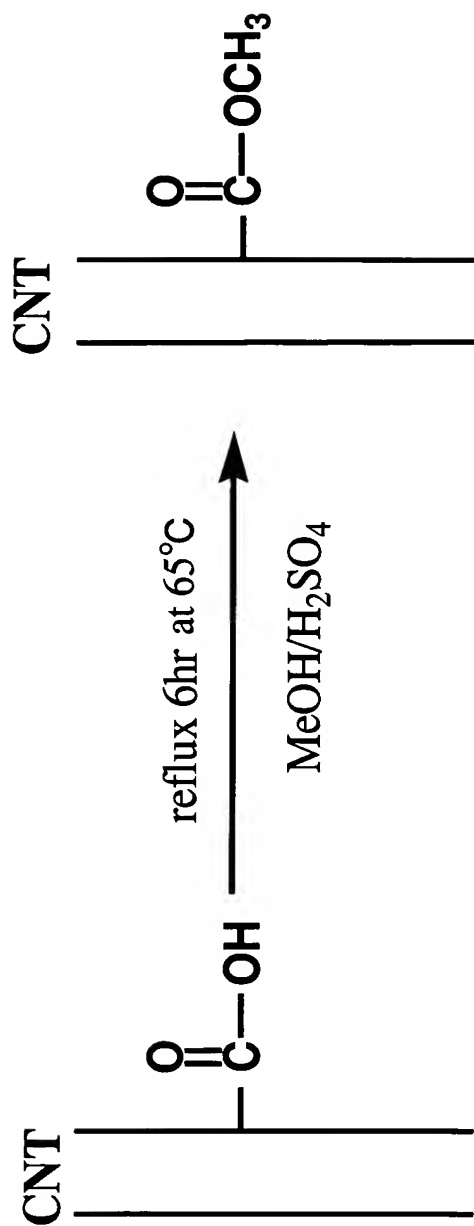


REACTION SCHEME FOR INTRODUCING CARBOXYL GROUP  
 INTO CARBON NANOTUBE

Fig 3



SCHEME FOR METHYL ESTERIFICATION REACTION  
 OF CARBON NANOTUBE CARBOXYLIC ACID

Fig 4

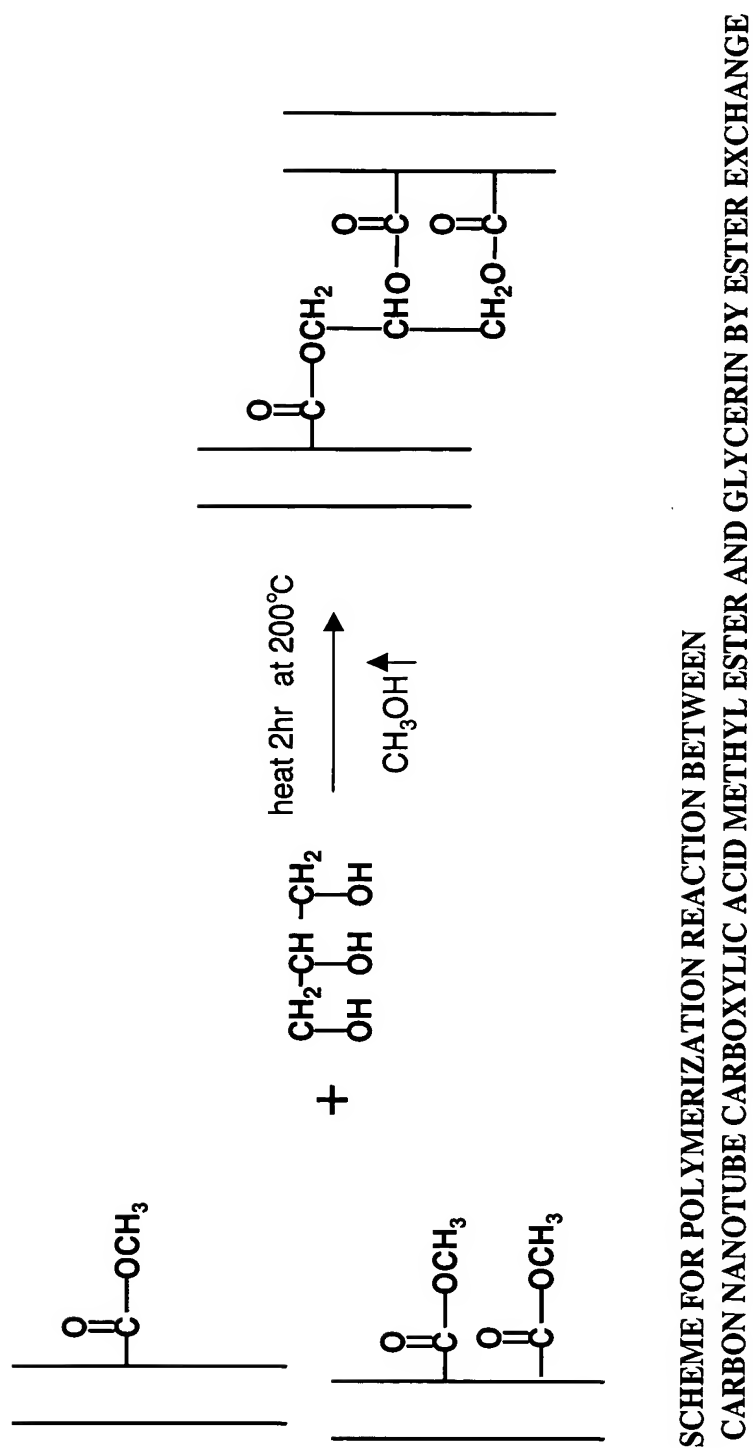
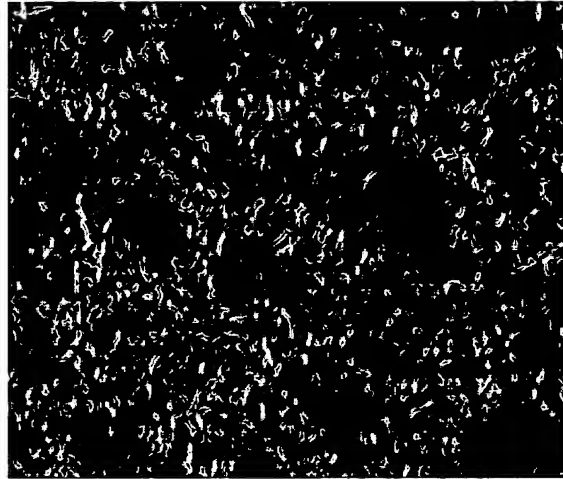


Fig 5



magnification  $\times 2,500$

Fig 6

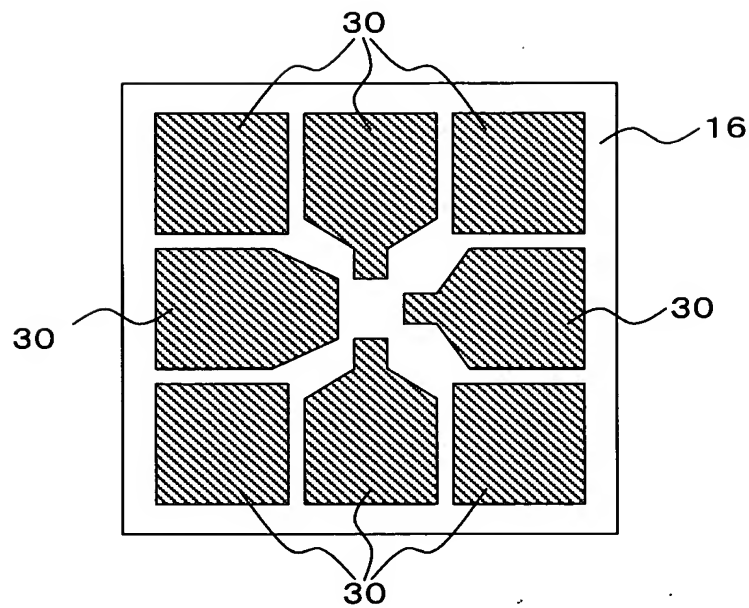


Fig 7

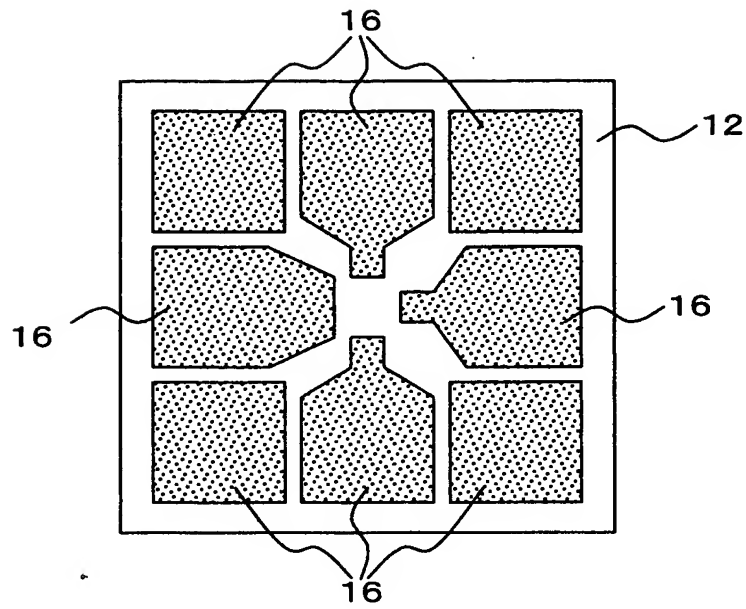


Fig 8

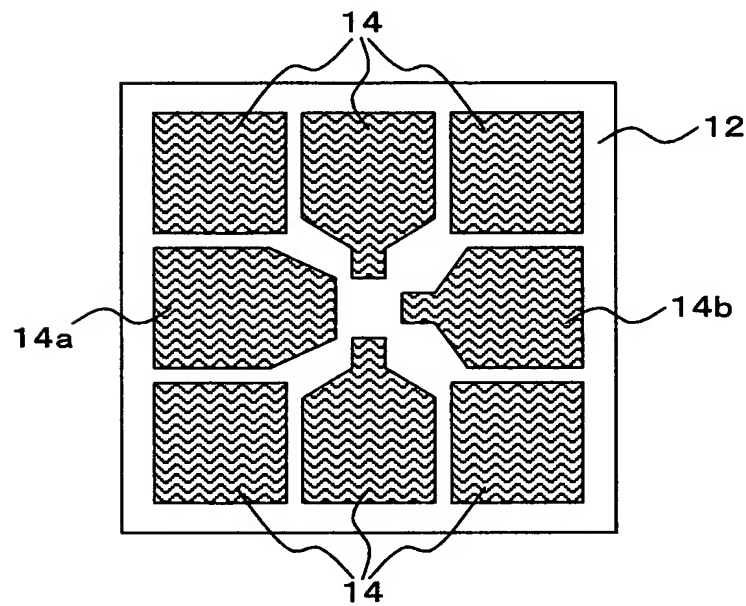


Fig 9

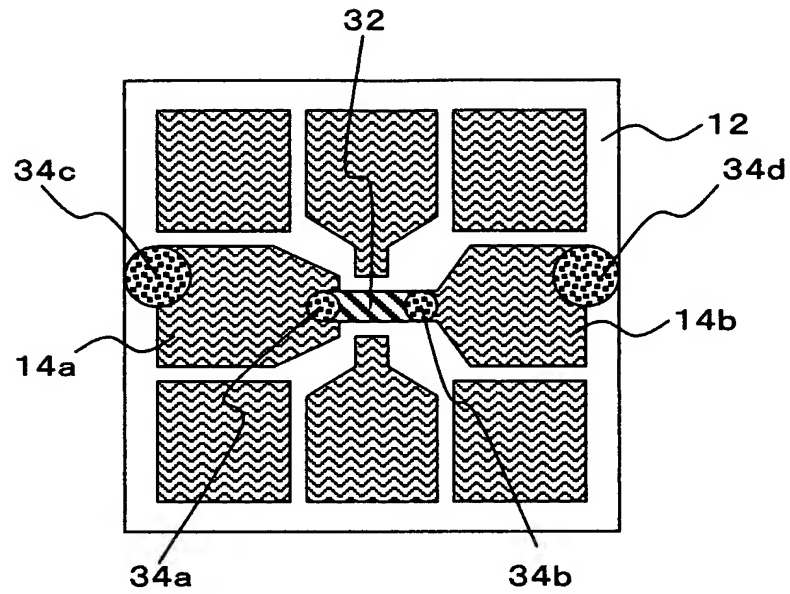


Fig 10

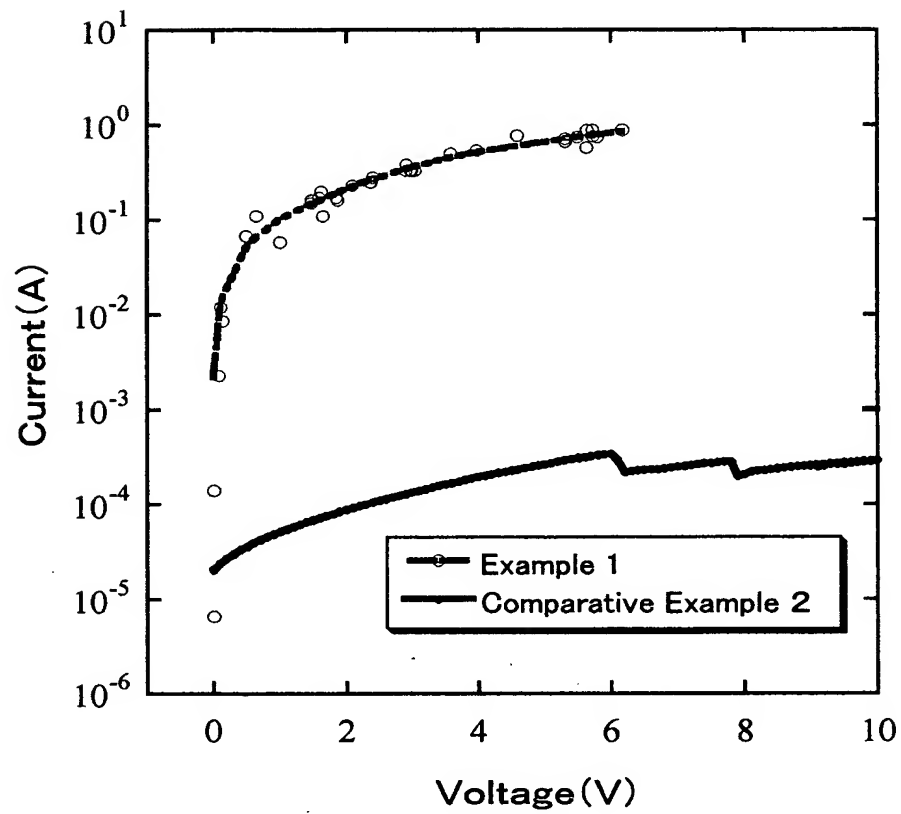


Fig 11



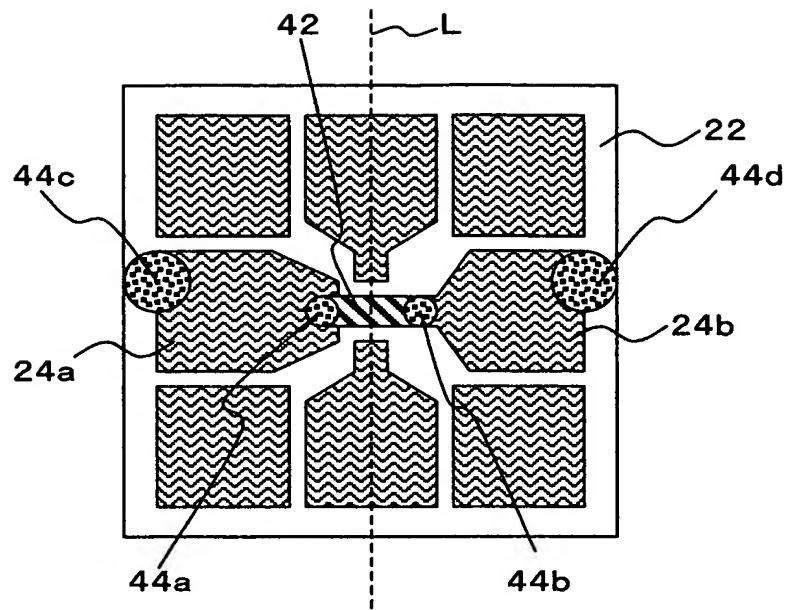


Fig 12